

CHARACTER:

1. Physical performance

a、 excellent mechanical properties:

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 136 ± 1.0°C / 168h

Tensile strength residual rate ≥ 70% elongation at break ≥ 45%

b、 Flame retardancy: VW-1, vertical burning, burning for 5 times, 15S each time, any residual flame is not more than 60S.

c、 Low temperature bending: -10°C ± 2°C / 4H, no crack on the surface of the sample is qualified

2. Electrical Properties

a、 rated temperature: 105°C **rated voltage:** 300VAC

b、 Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 3KV AC

c、 dielectric withstand voltage: 2.0KV AC, 60 seconds without breakdown

3. Processing properties

a、 Suitable for all conventional wire harness processing processes

b、 Please inform us if you have any special needs

4. Environmental protection

a、 ROHS/REACH compliant

SHOULD BE USED:

General commercial, electronic electric appliance and equipment instrument internal connections.

REFERENCE:

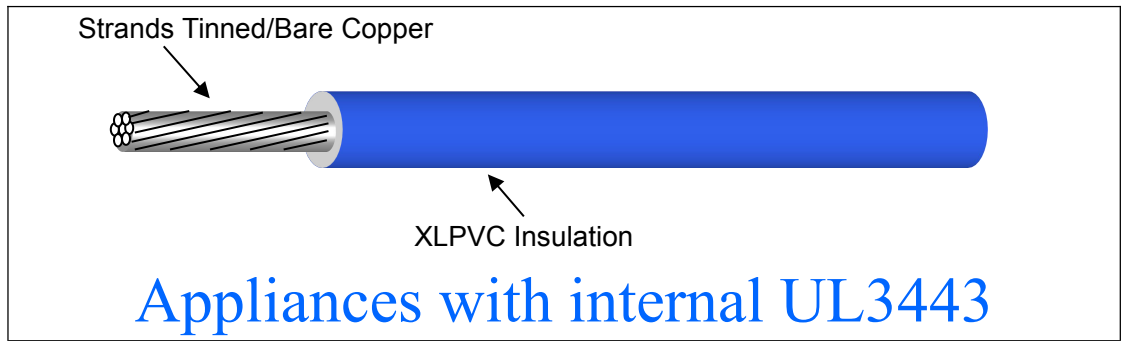
UL758-2010、UL1581-2009

Outline:

Internal installation of wires to prevent impact, high temperature acute Angle bending

3F Part ON:

eg: 34431400-41
UL3443, 14AWG, black, 41/0.254, tinned



Wire structure description:

Conductor: Tinned /Bare copper ;
Insulation materials: XLPVC Insulation

Appliances with internal , No more than 105 °C temperature of conductor occasion
Rated temperature: 105°C Rated voltage: 300V

STYLE	SIZE AWG	Conductor construction (No./ mm) ±0.005	Conductor resistance 20°C (Ω/Km)	Conductor diameter (mm)	insulation thickness (mm)		Over diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3443	14	41/0.254	8.96	1.88	0.35	0.20	2.60	±0.10
		7/0.616	8.96	1.88	0.35	0.20	2.60	±0.10
	16	26/0.254	14.60	1.50	0.35	0.20	2.20	±0.10
		1/1.02	22.2	1.02	0.25	0.20	1.52	±0.10
	18	16/0.254	23.20	1.17	0.25	0.20	1.65	±0.10
		41/0.16	23.20	1.18	0.25	0.20	1.65	±0.10
	20	26/0.16	36.70	0.94	0.25	0.20	1.45	±0.10
		21/0.18	36.70	0.95	0.25	0.20	1.45	±0.10
	22	17/0.16	59.40	0.76	0.25	0.20	1.26	±0.10
		11/0.16	94.20	0.61	0.25	0.20	1.10	±0.10
	24	7/0.16	150.00	0.48	0.25	0.20	0.98	±0.10
		7/0.127	239.00	0.38	0.25	0.20	0.88	±0.10
26	7/0.10	381.00	0.31	0.25	0.20	0.80	±0.10	

Stranded conductor single diameter tolerances ± 0.005mm;
Solid conductor diameter tolerances ± 0.01mm.

Marking: E211048 AWM STYLE 3443 NO. AWG 105°C 300V VW-1 XLPVC QIFURUI
OR: E211048 AWM I A 105°C 300V FT1 -LF-
OR: E211048 AWM STYLE 3443 NO. AWG 105°C 300V VW-1 XLPVC QIFURUI
221756 CSA AWM I A 105°C 300V FT1 -LF-

SAE COLOR SERIES

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

PACKAGE

*PACKAGE					
Part No.	Packing- Ft/roll				
14-16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18-30AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging